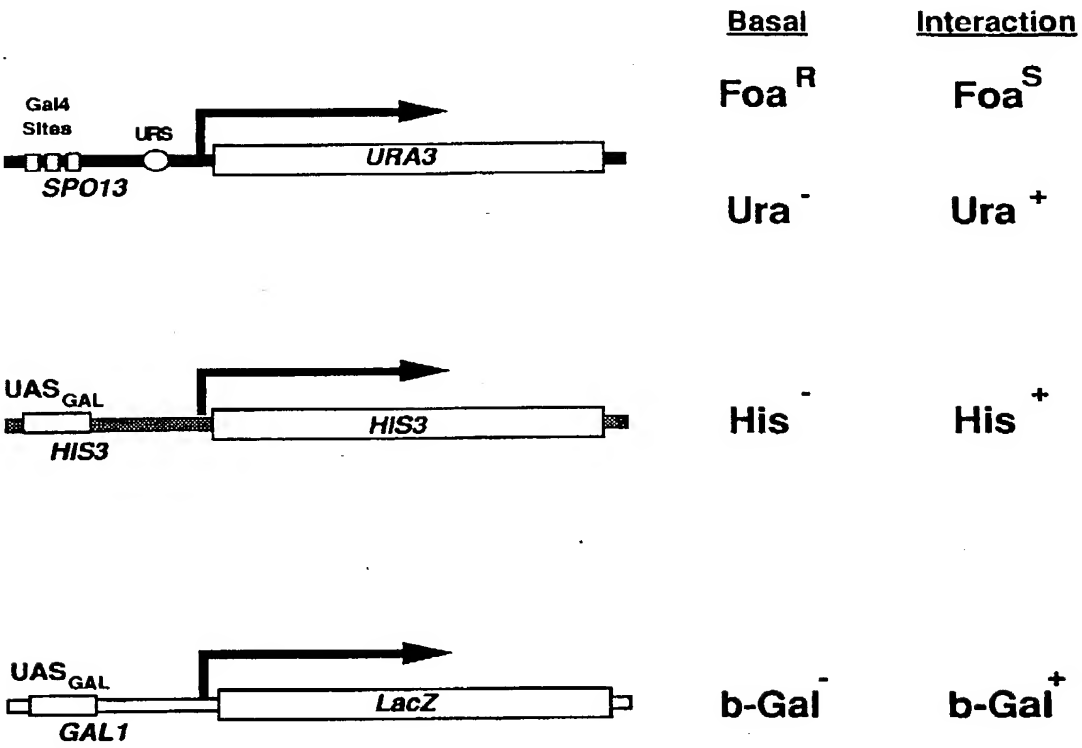


FIG. 1

[redacted]

[redacted]

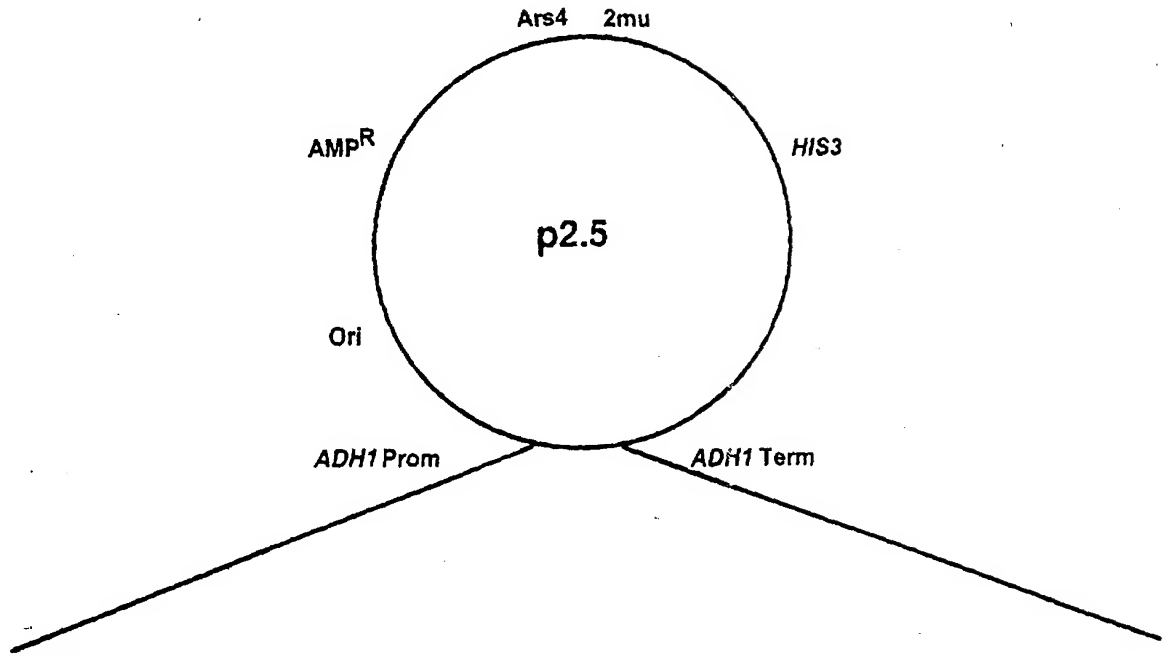


FIG. 2

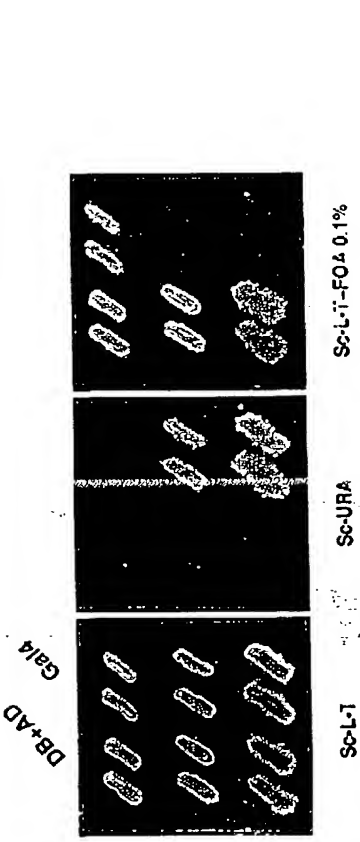


FIG. 3

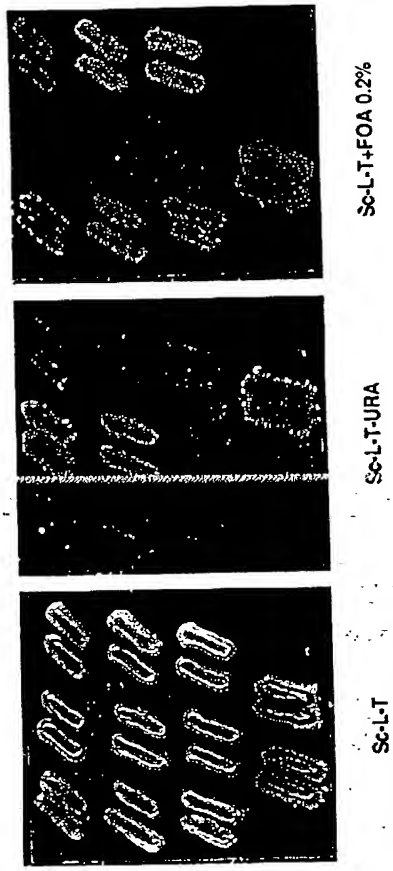


FIG. 5

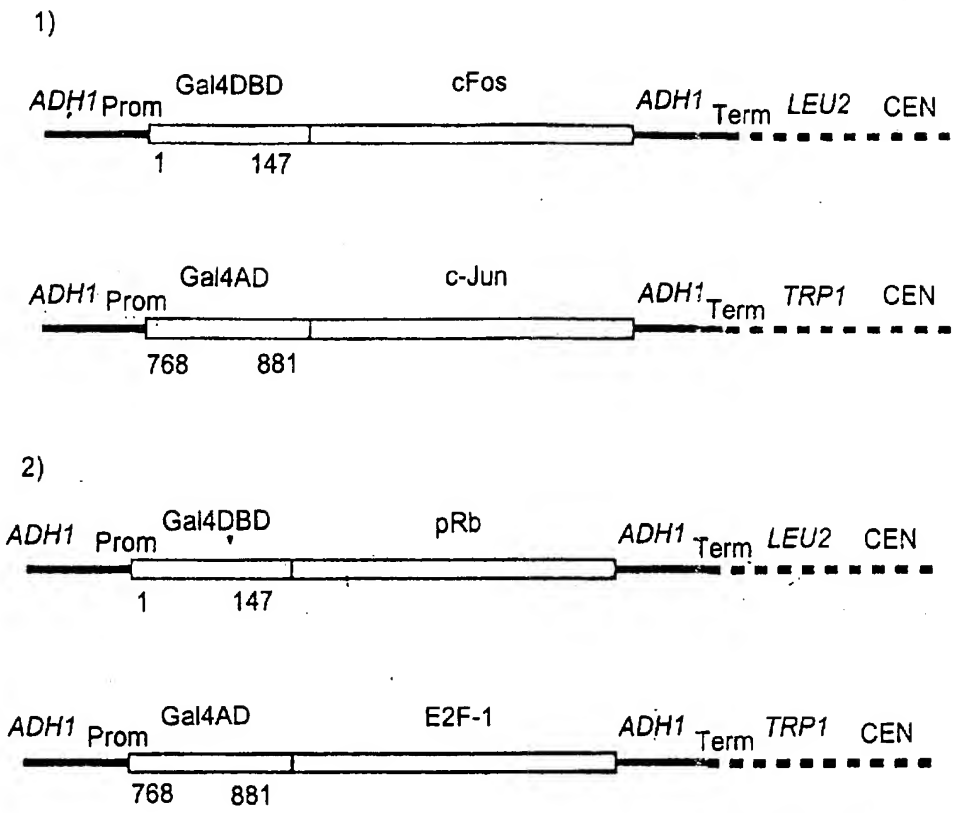


FIG. 4

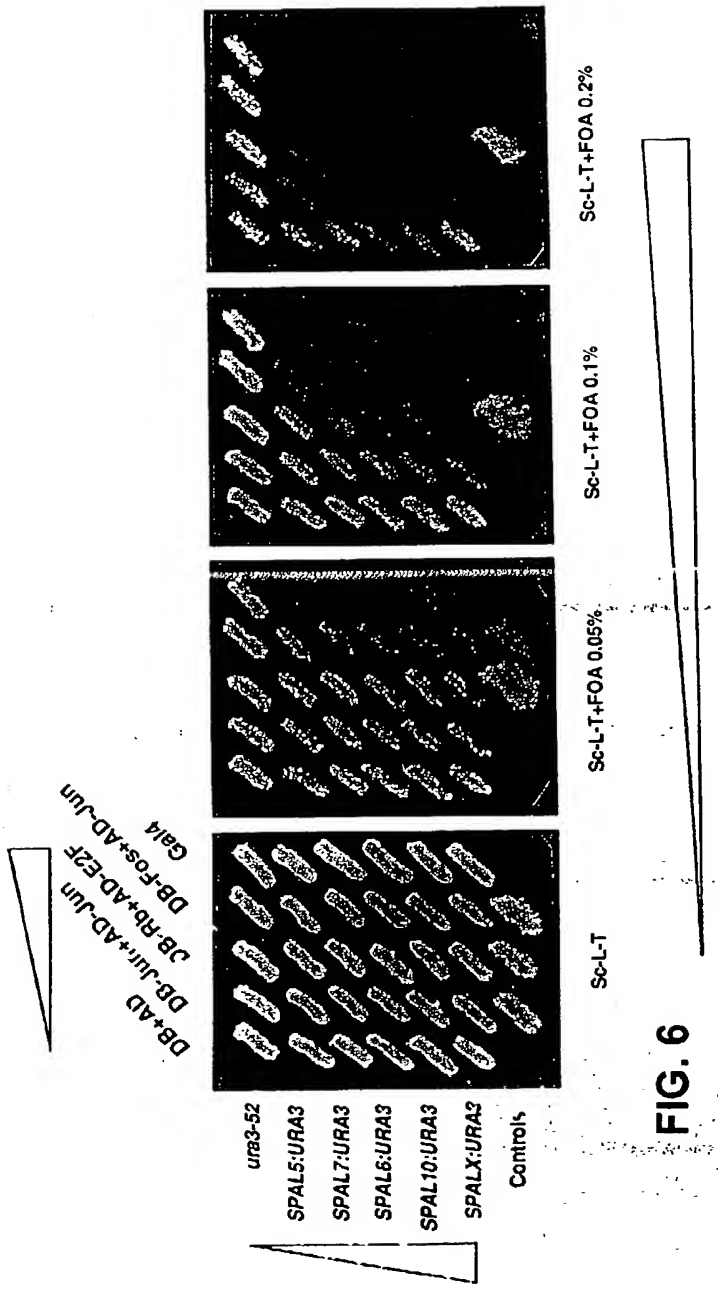


FIG. 6

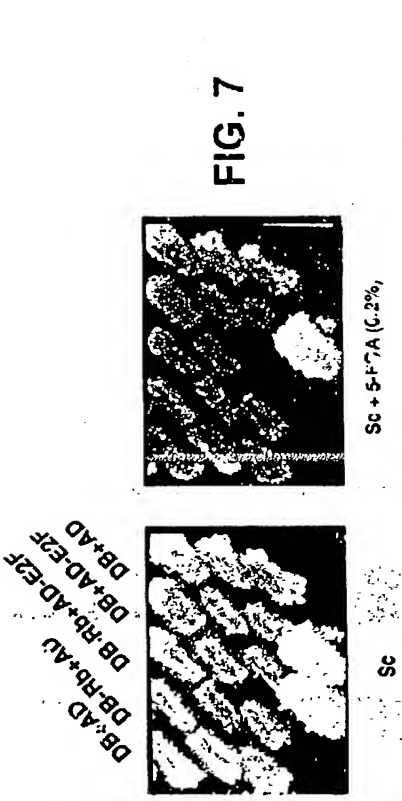


FIG. 7

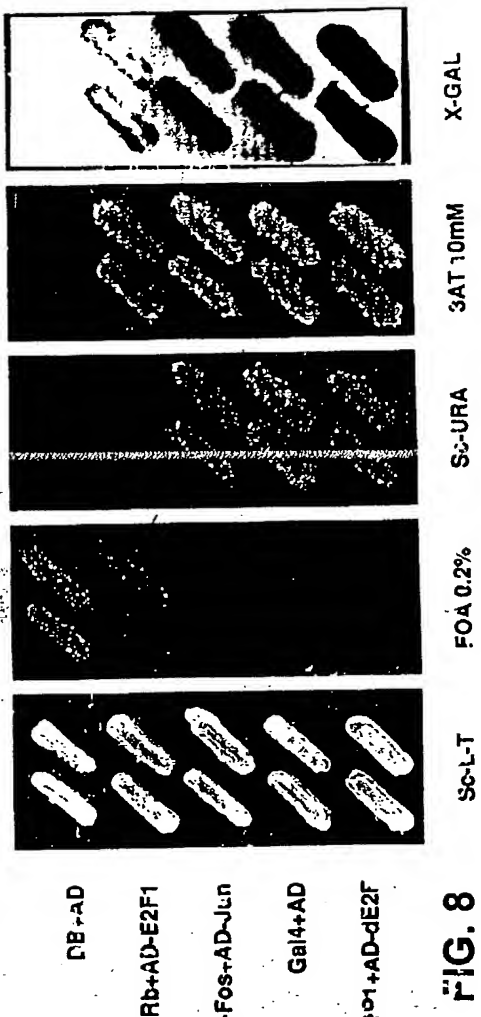


FIG. 8

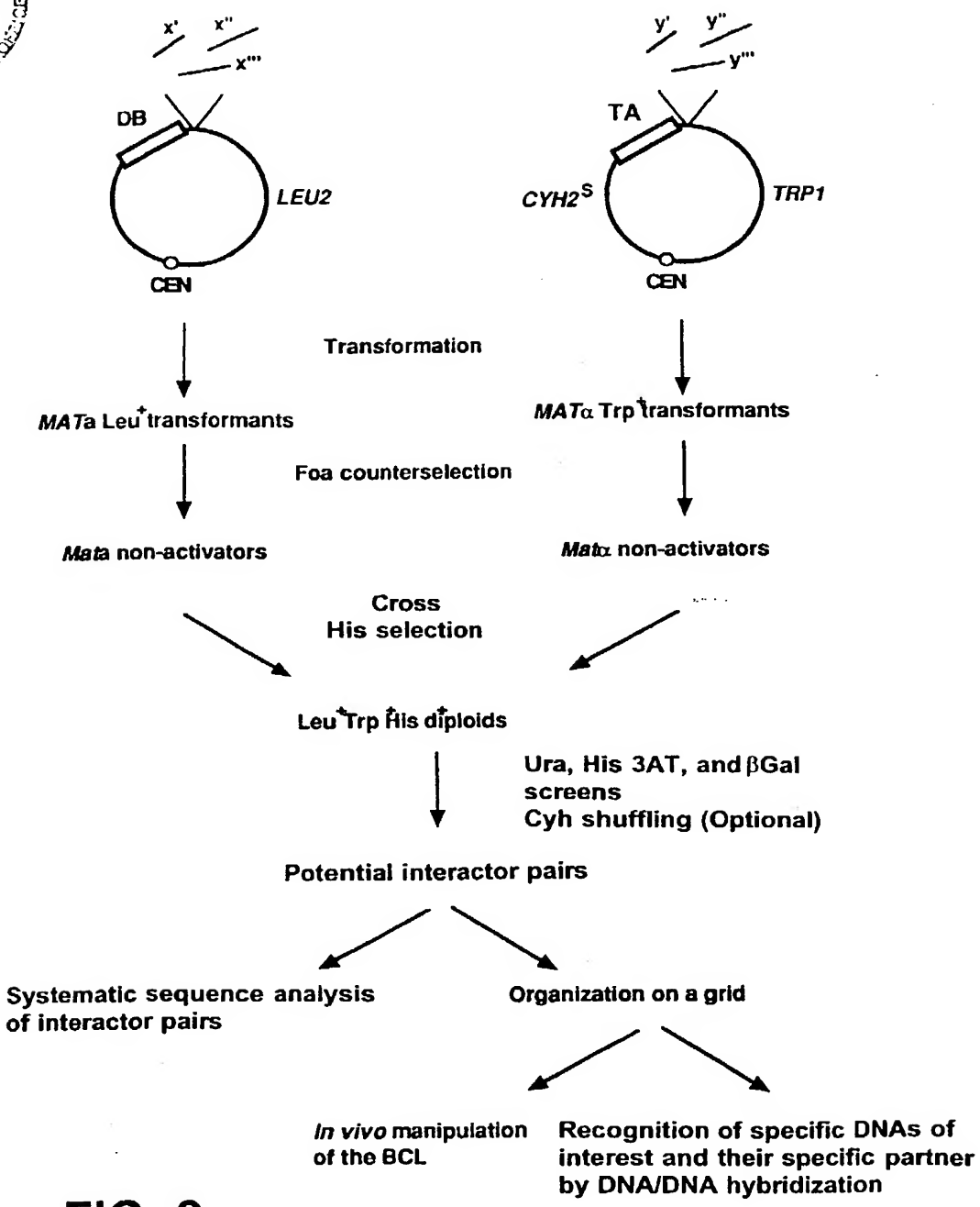


FIG. 9

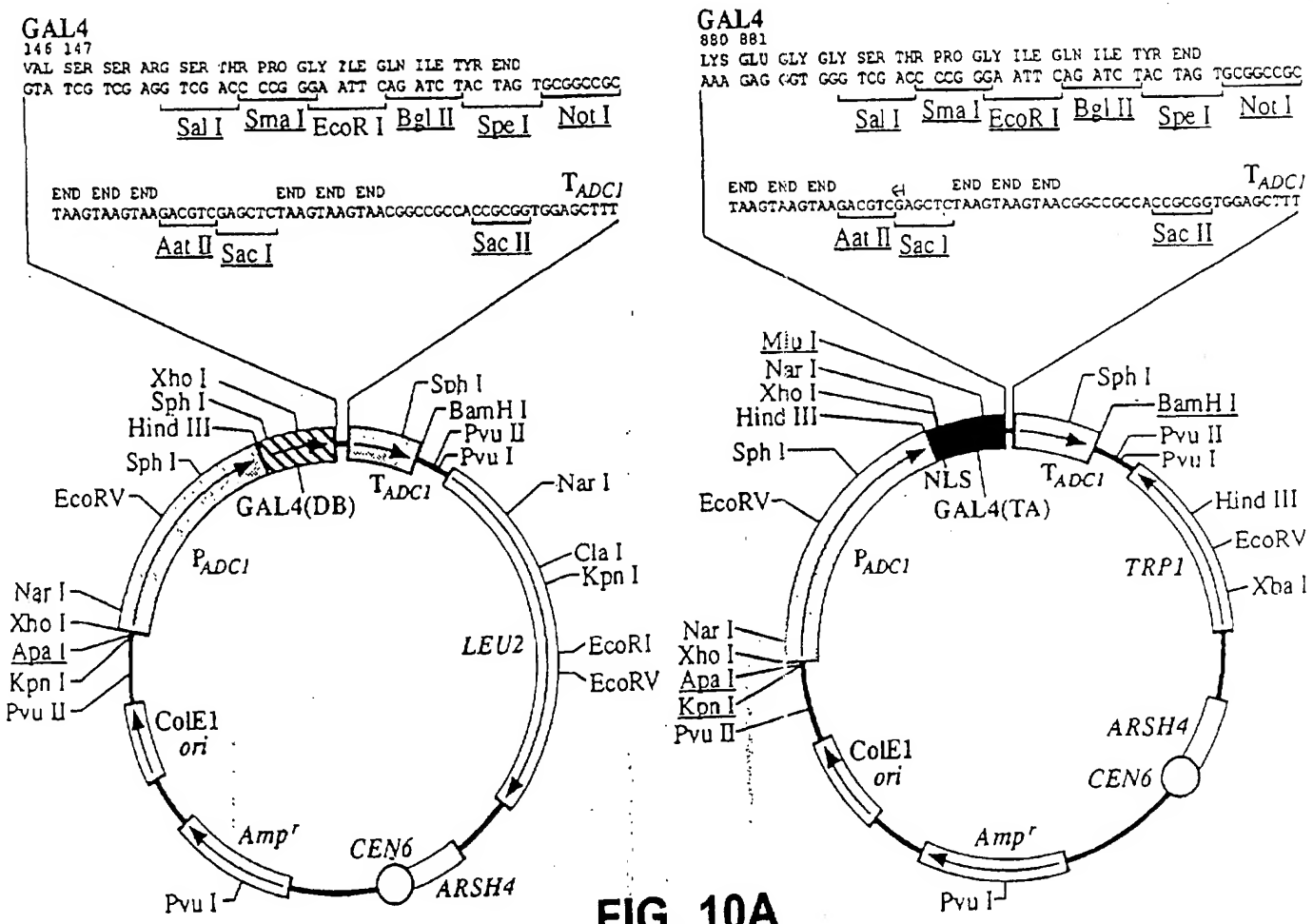


FIG. 10A

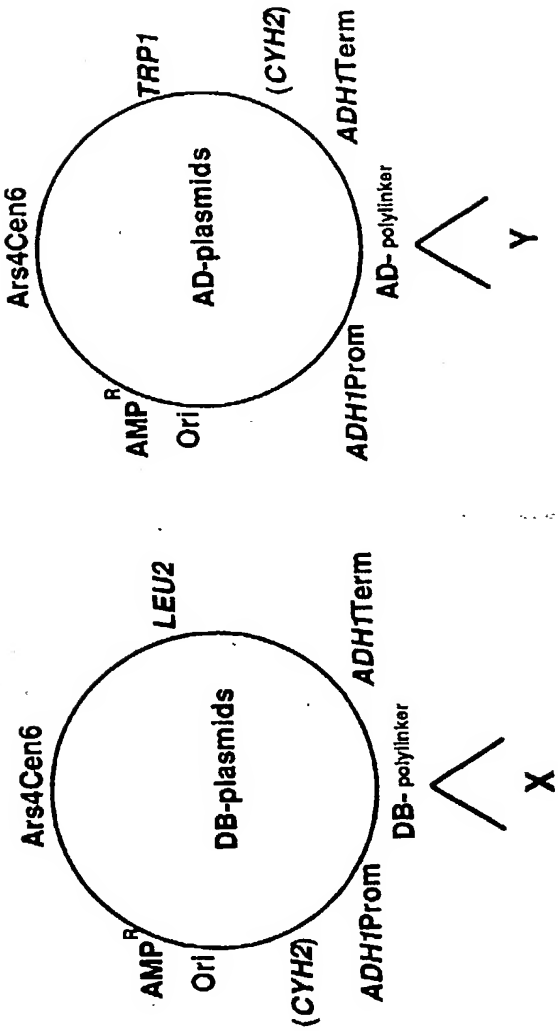


FIG.10B

DB-X	Total	His+	Retested	Known Interacting	"Novel" Interacting	False positive
None	$1x10^6$	1	0			
p130	$5x10^5$	19	9	0	5 → 2	
DP1	$2x10^5$	7	7	6 → 2	1 → 1	
pRb	$1x10^6$	20	0			
p35	$1x10^6$	20	8	0	8 → 2	0
CDK3	$1x10^6$	38	16			
CDK3	$1x10^6$	38	16			
DCC1	$3x10^6$	81	23	0		
Zebu	$1x10^6$	81	23			

FIG. 11

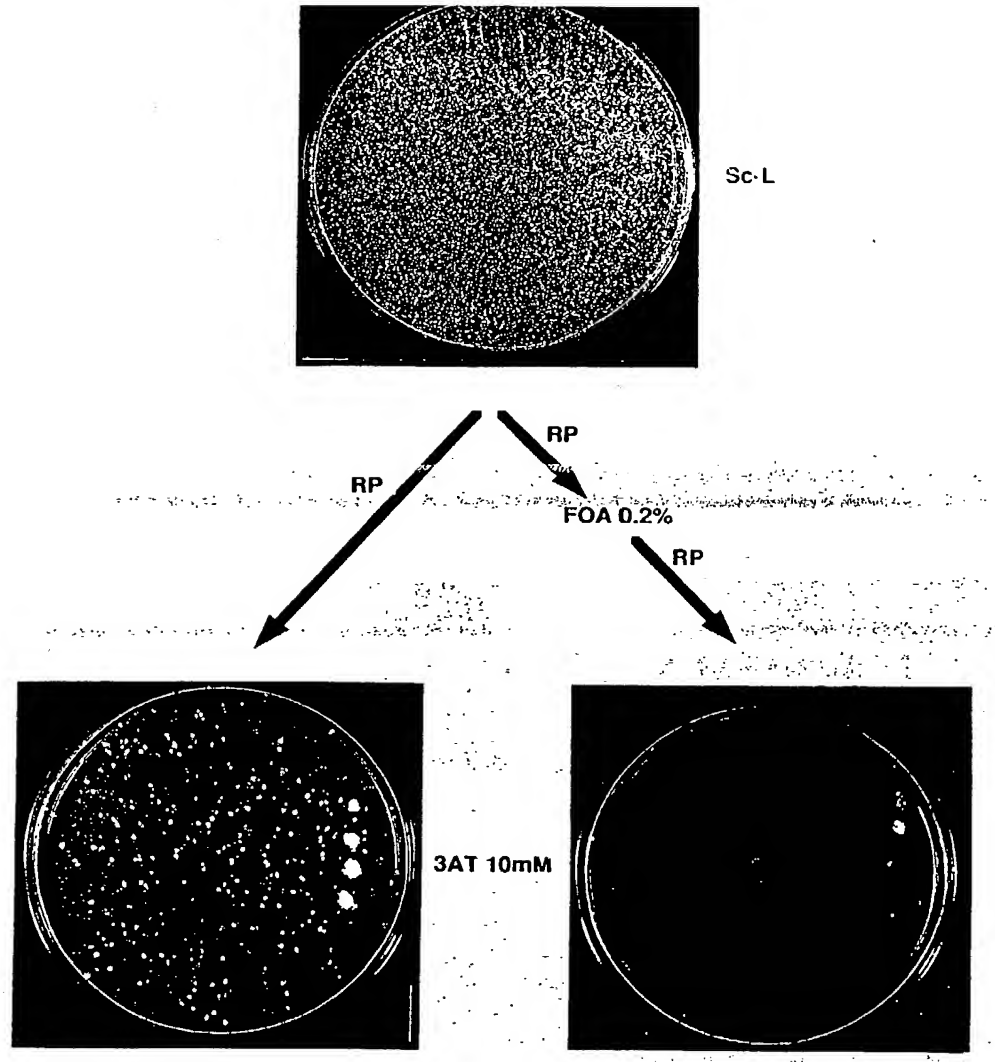


FIG. 12

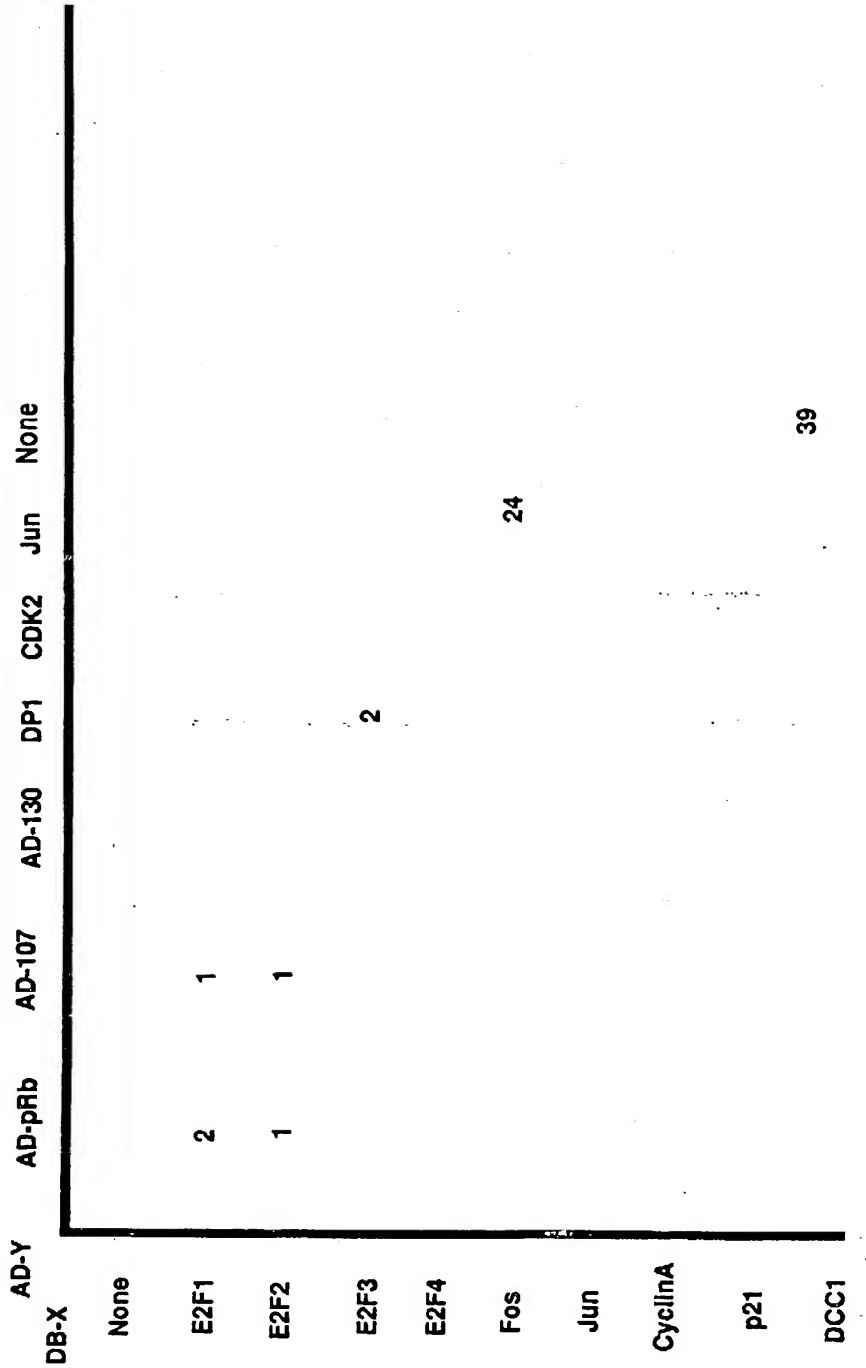


FIG. 13

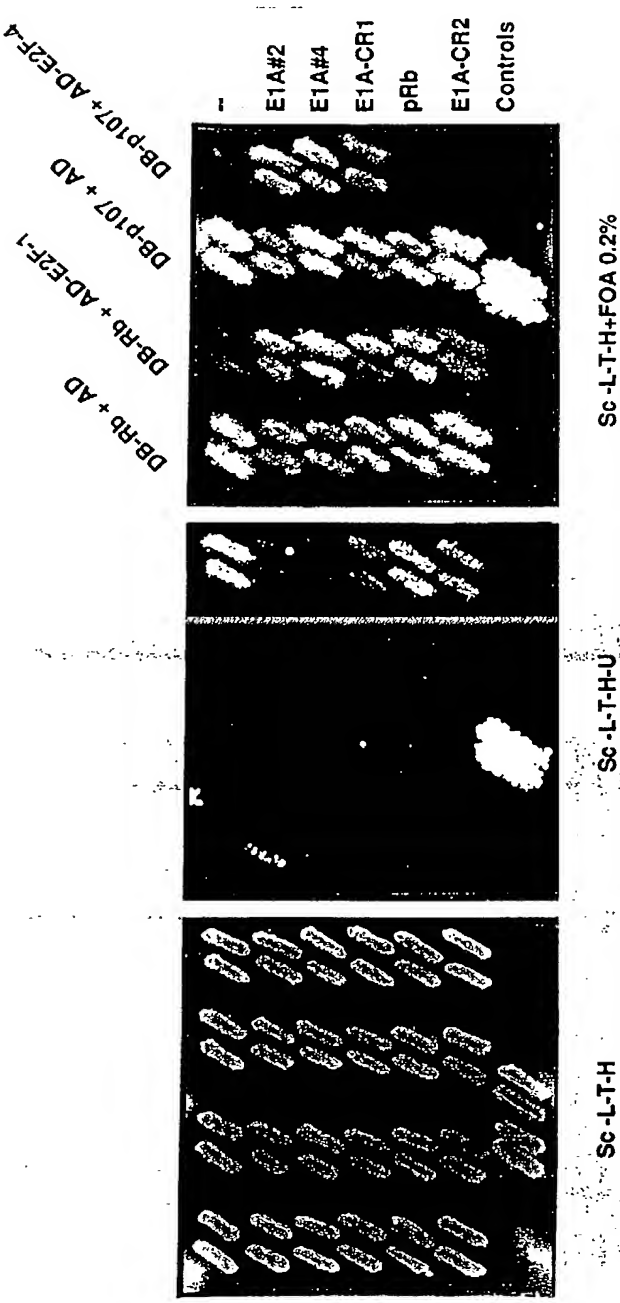


FIG. 14

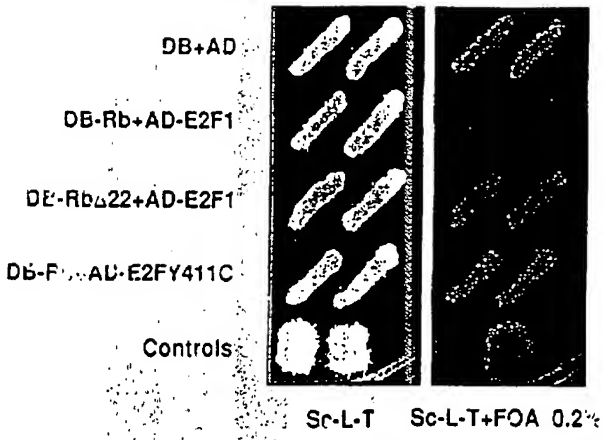


FIG. 15

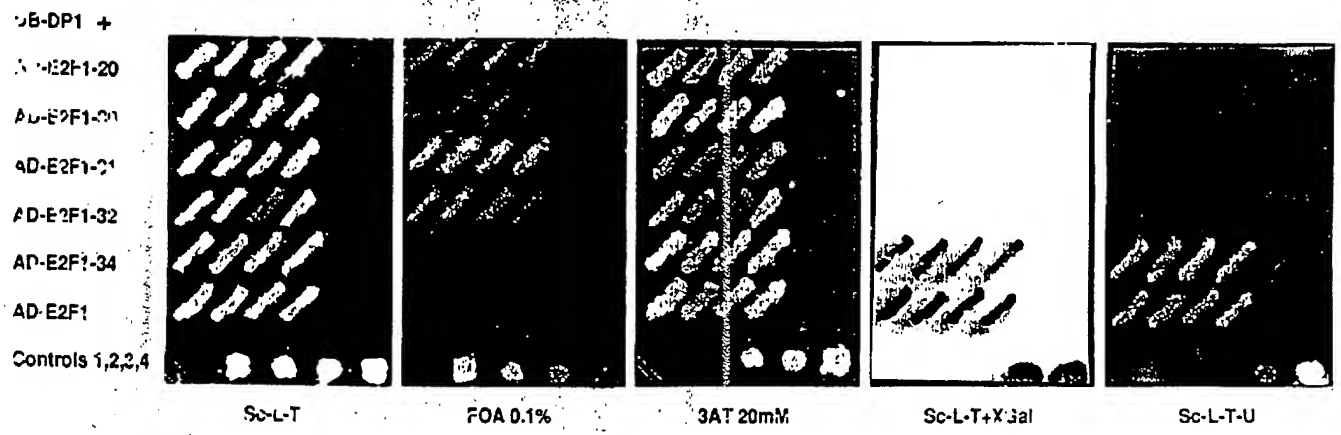


FIG. 20

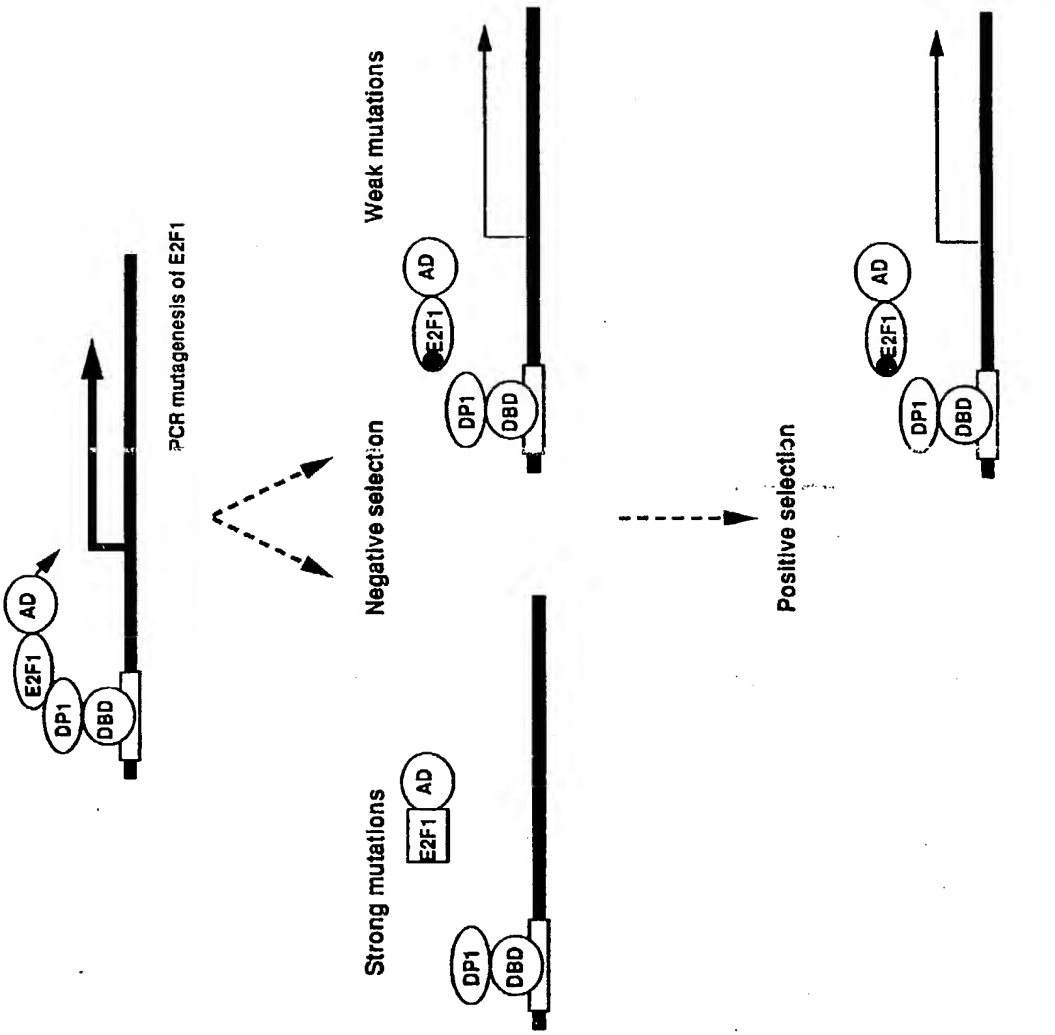


FIG. 16

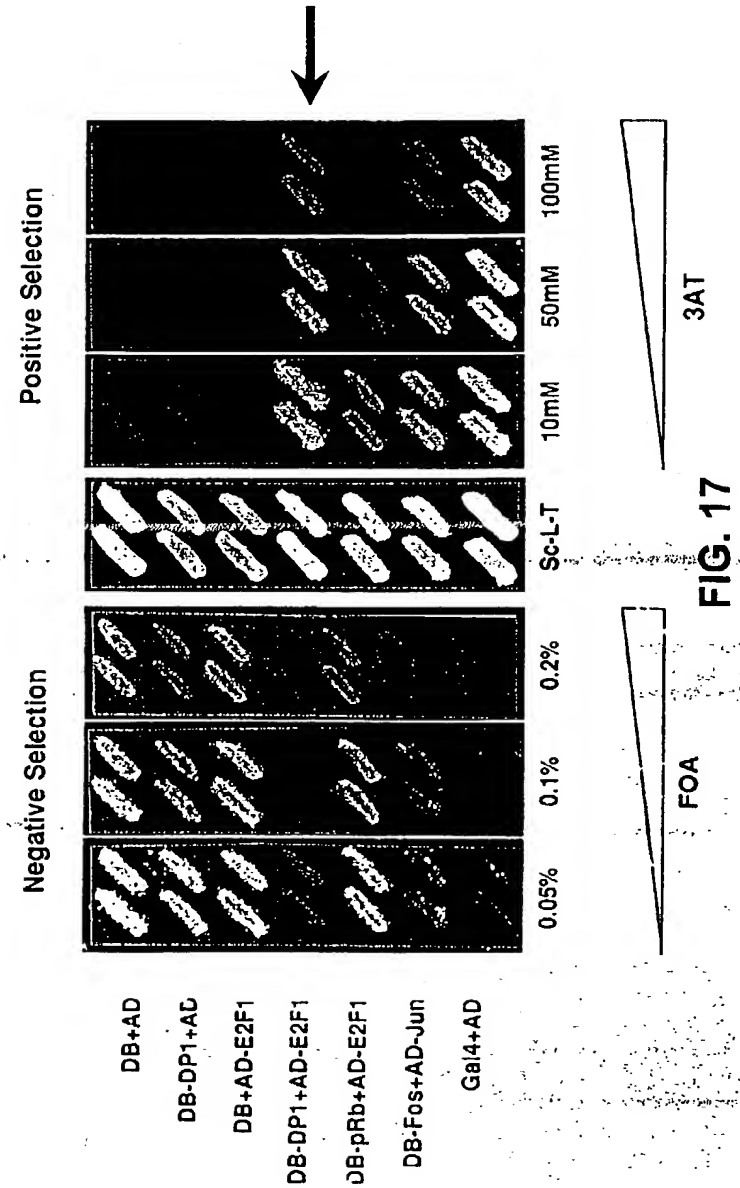


FIG. 17

PCR reaction

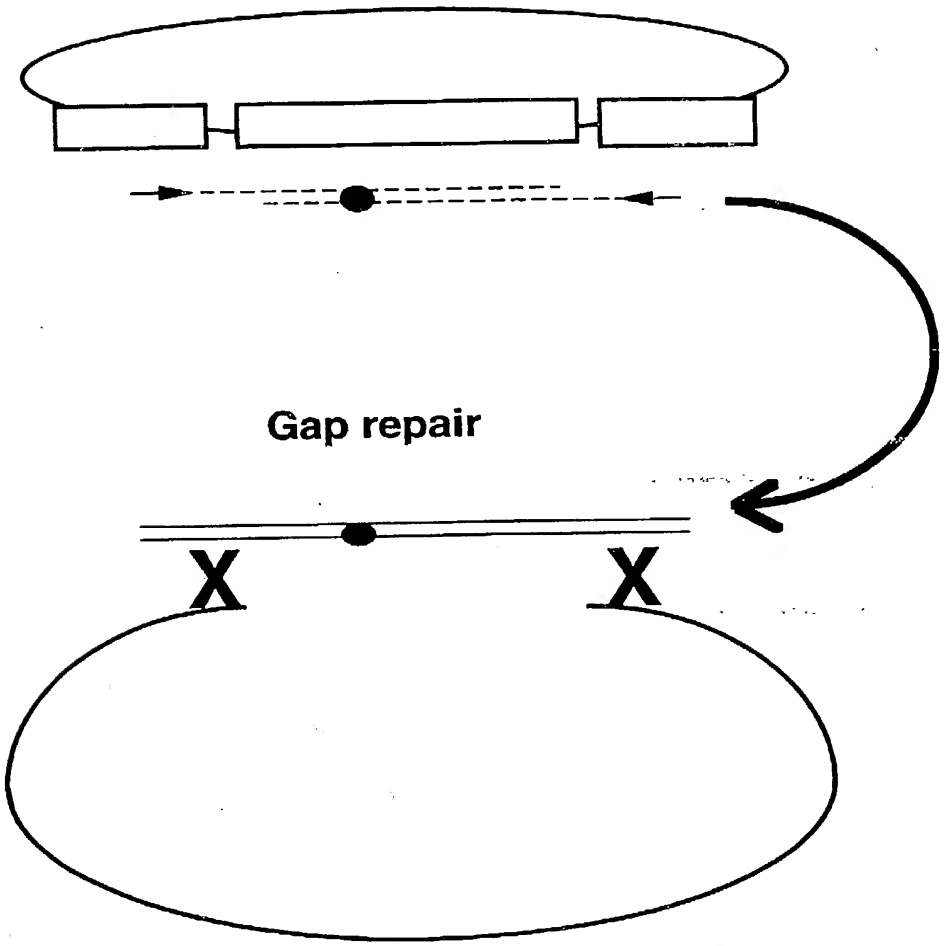
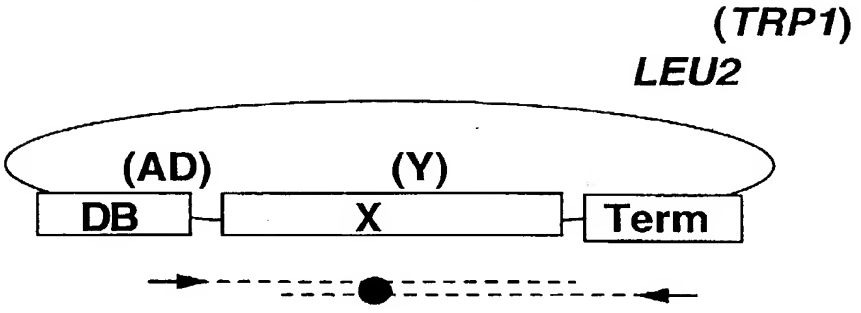


FIG. 18A

In vitro mutagenic PCR reaction



In vivo gap repair

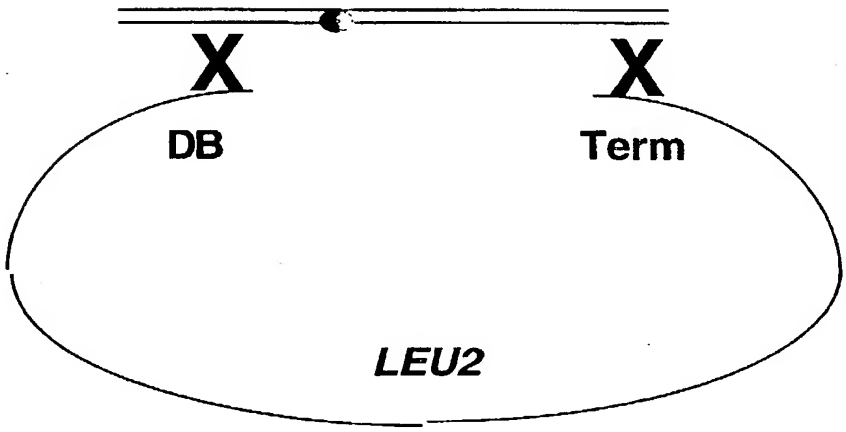


FIG. 18B

[redacted]

[redacted]

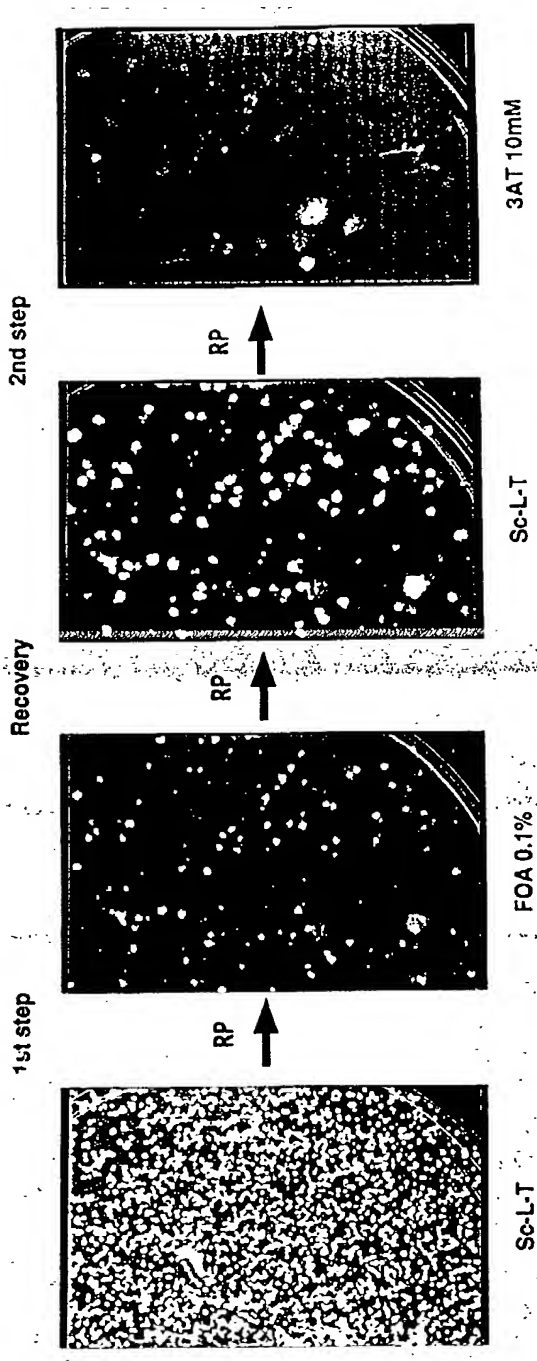


FIG 19

FIG. 21

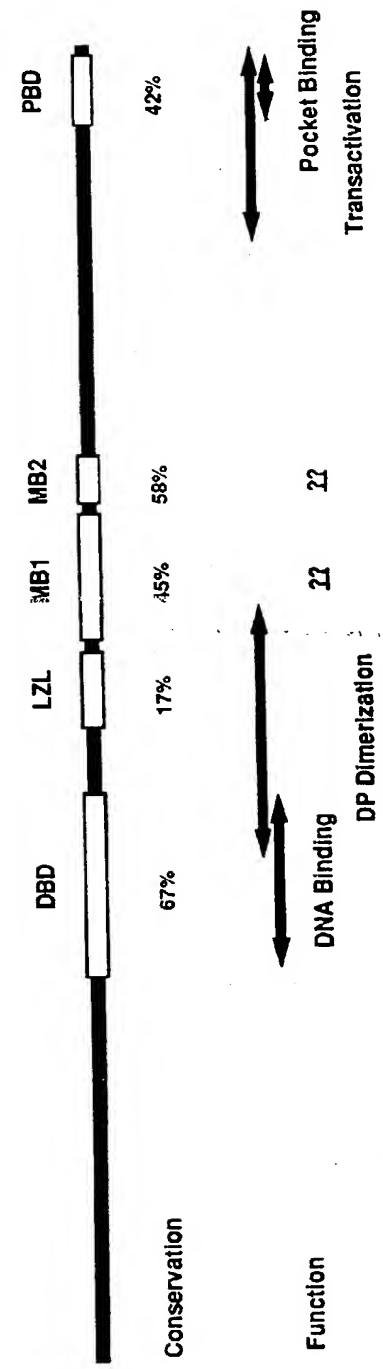


FIG. 22

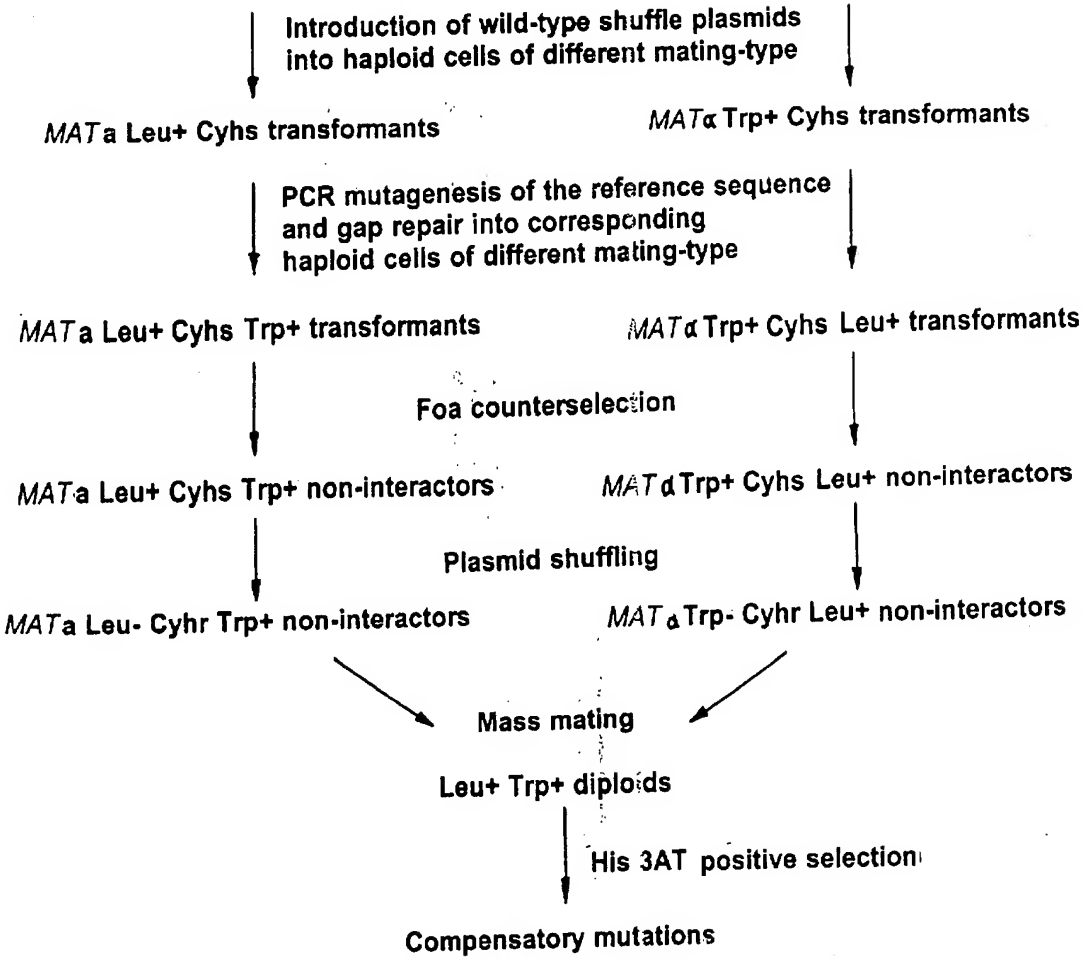
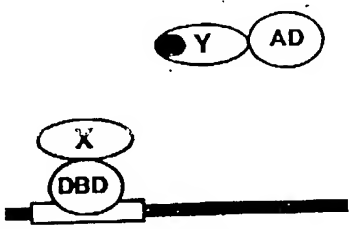


FIG. 23A

Sensitivity

Mutagenesis of X (or Y) partner

SELECTION for Foa Resistance

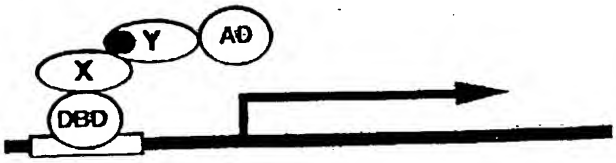


(Restrictive conditions)

Replica-plating

SELECTION for Ura/His growth

FIG. 23B



(Permissive conditions)

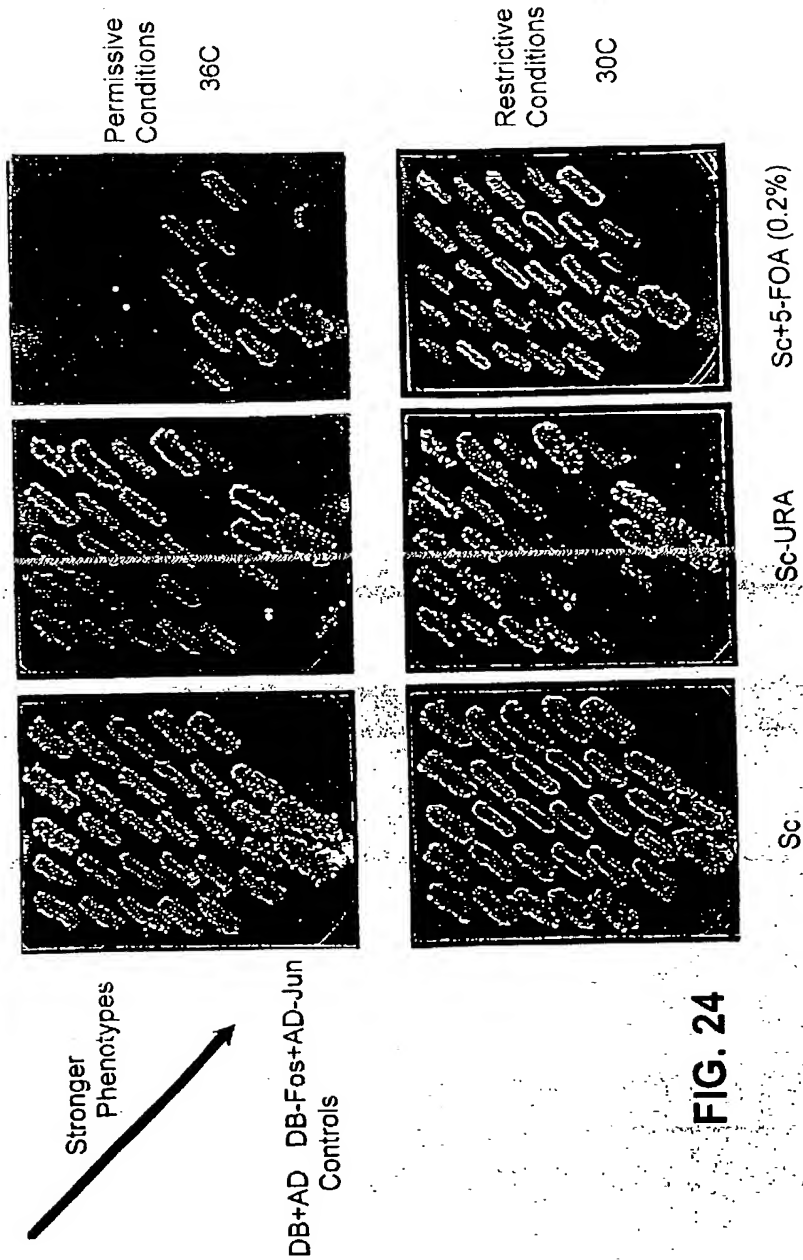


FIG. 24

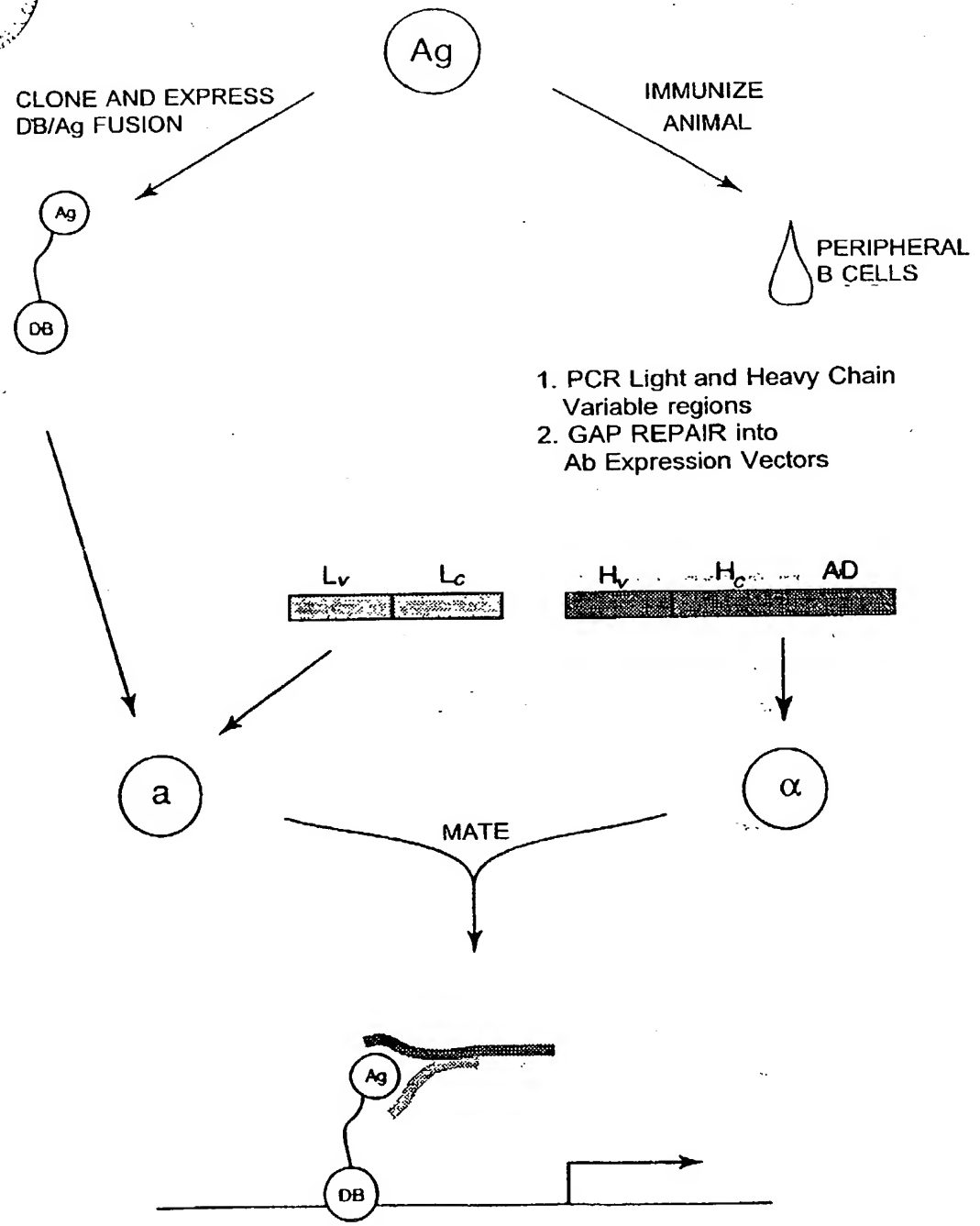


FIG. 25